

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY  
APPLICANTS

Atty. Docket No. (Opt.)  
FOC1110



Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Applicant  
Daniel B. Hage, et al.  
Application Number  
10/675,579  
Filed  
September 30, 2003  
For: System and Process for Reducing Impurities

Certification Under 37 C.F.R. §1.8

I hereby certify that this document is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22312-1450 on February 18, 2004.

  
Carolyn J. Williams

INFORMATION DISCLOSURE STATEMENT

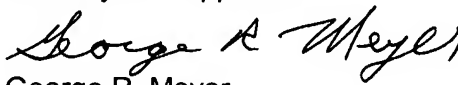
Applicants respectfully request, pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, that the art listed on the attached PTO/SB/08A and PTO/SB/08B forms be considered and cited in the examination of the above-identified application. A copy of the art is enclosed for the convenience of the Examiner.

Furthermore, pursuant to 37 C.F.R. §§ 1.97(g) and (h), no representation is made that a search has been made or that this art is material to patentability of the present application. Applicants respectfully submit that the claims of Applicants' above-referenced patent is patentably distinguishable from these references.

Applicants believe no fee is due at this time. However, the Commissioner is hereby authorized to charge any fees due, or refund any credit, to Deposit Account No. 50-0456 of Gray Cary Ware & Freidenrich LLP for any fee under 37 C.F.R. §1.17(i).

Respectfully submitted,

**Gray Cary Ware & Freidenrich LLP**  
Attorneys for Applicants

  
George R. Meyer  
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Dated: February 18, 2004

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PTO/SB/08A (04-03)

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Application Number	10/675,579
Filing Date	September 30, 2003
First Named Inventor	Daniel B. Hage, et al.
Group Art Unit	1754
Examiner Name	Unknown
Attorney Docket Number	FOC1110

Sheet 1 OF 1

## **U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
		Number	Kind Code (if known)			
	A1	4,312,669		01/26/82	Boffito et al.	
	A2	4,907,948		03/13/90	Barosi et al.	
	A3	5,150,604		09/29/92	Succi et al.	
	A4	5,151,251		09/29/92	Solcia et al.	
	A5	5,172,066		12/15/92	Succi et al.	
	A6	5,716,588		02/10/98	Vergani et al.	
	A7	5,840,266		11/24/98	Lewin et al.	
	A8	5,961,750		10/05/99	Boffito et al.	
	A9	6,013,195		01/11/00	Corazza et al.	
	A10	6,027,986		02/22/00	Conte et al.	
	A11	6,110,807		08/29/00	Conte et al.	
	A12	US 6,200,494	B1	03/13/01	Manini et al.	
	A13	US 6,304,367	B1	10/16/01	Battilana et al.	

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	FOREIGN PATENT DOCUMENTS			Publication Date MM-DD-YYYY (Number 43)	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines Where Relevant Passages or Figures Appear
		Country Code	Number	Kind Code (if known)			

Examiner  
Signature

Date  
Considered

FORM PTO 1449 US Department of Commerce Patent and Trademark Office				Application Number		10/675,579	
				Filing Date		September 30, 2003	
				First Named Inventor		Daniel B. Hage, et al.	
				Group Art Unit		1754	
				Examiner Name		Unknown	
Sheet	1	of	1	Atty Docket Number		FOC1110	
Examiner Initials	Cite No.	OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS					Date
	C1	Jarry and Davis, The Vapor Pressure, Association, and Heat of Vaporization of Hydrogen Fluoride, The Journal of Physical Chemistry, pp. 600-01, Mack Printing Company.					1953
	C2	Nikolaev, Buslaev, and Vlasov, Chemical Methods of Drying Hydrogen Fluoride, Russian Journal of Inorganic Chemistry, Vol. 7, No. 4, pages 488-489.					1961
	C3	Gmelin Handbook of Inorganic Chemistry, Keller-Rudek, et al, 8th Edition, Fluorine, Supplement Volume 3, pp. 2-5, 16-17, Springer-Verlag.					1982
	C4	Tetsuro Toyo, Advances in Science and Tehcnology for the Electrochemical Preparation of Fluorine, Abstract No. 1004.					2000
	C5	Wayne E. White, Fluorine Compounds, Inorganic, Vol. 9, pages 81, 88-91.					Unknown
	C6	Conductivity of Hydrofluorine Acid, Hydrofluoric Acid Properties, Vol. 1.1, pg. 26, Honeywell.					Jan. 2002
	C7	Pergamon Press, Foon and Kaufman, Kinetics of Gaseous Fluorine Reactions, Progr. Reaction Kinetics, Vol. 8, No. 2, pages 81, 88-91.					1975
	C8	NF3 table, <a href="http://www3.airproducts.com">http://www3.airproducts.com</a> .					May 13, 2002
	C9	Semiconductor International, Semi C3.39-0999 – Standard for Nitrogen Trifluoride (NF <sub>3</sub> ); pages 1-2.					2002
	C10	Devilliers and Chemla, Carbon Anode Reaction in Fluorine Production, Universite Pierre et Marie Curie, Paris, France, pp. 28-29, 316-317.					Unknown
	C11	Jache, The Inorganic Chemistry of Hydrogen Fluoride, pg. 166-67.					Unknown
	C12	Advance Research Chemicals, Inc., Solubility of Some Fluorides in Hydrogen Fluoride.					June 2002
	C13	Vergani and Guadagnalb, SAES; New Getter for HC1 Purification; Moisture Removal at Low and Cylinder Pressure, Semiconductor International, pages 1-7.					June 1, 1999
Examiner Signature						Date Considered	